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(51) International Patent Classification 5: (11) International Publicati n Number: WO 91/03243 A61K 31/445, C07D 211/30 A1 (43) International Publication Date: C07D 211/20 21 March 1991 (21.03.91) (21) International Application Number: PCT/US90/04850 (74) Agents: HORN, Margaret, A. et al.; E.I. du Pont de Nemours and Company, Legal Department, 1007 Market (22) International Filing Date: 30 August 1990 (30.08.90) Street, Wilmington, DE 19898 (US). (30) Priority data: 404,813 570,199 (81) Designated States: AT (European patent), AU, BE (European patent), CA, CH (European patent), DE (European patent)*, DK (European patent), ES (European patent), FI, FR (European patent), GB (European patent), HU, IT (European patent), JP, KR, LU (European patent), NL (European patent), NO, SE (European patent), CTI 8 September 1989 (08.09.89) US 20 August 1990 (20.08.90) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COM-PANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: CAIN, Gary, Avonn; 80 Freedom Trail, New Castel, DE 19720 (US). GILLIGAN, Pani, Joseph; 773 Montclair Drive, Claymont, DE 19703 (US). TAM. Sang. **Published** With international search report. Before the expiration of the time limit for amending the William; 443 Stella Drive, Hockessin, DE 19707 (US). claims and to be republished in the event of the receipt of amendments. (54) Title: ANTIPSYCHOTIC 1-CYCLOALKYLPIPERIDINES (57) Abstract There are provided cycloalkyl piperidine compounds which are useful in the treatment of physiological or drug-induced psychosis or dyskinesia in a mammal. These novel compounds are selective sigma receptor antagonists and have a low potential for movement disorder side effects associated with typical antipsychotic agents.

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